

PARAPHYTOMYZA ENDERLEIN, 1936 (INSECTA, DIPTERA):
 PROPOSED DESIGNATION OF *PHYTAGROMYZA*
LUTEOSCUTELLATA DE MEIJERE, 1924 AS TYPE SPECIES
 Z.N.(S.)2574

By K. A. Spencer (*Exwell Farm, Callington, PL 17 8QJ, Cornwall, England*)

Hendel (1920, p. 115) erected the genus *Phytagromyza*, with *Domomyza flavocingulata* Strobl, 1909 (p. 296) as type species.

2. Nowakowski (1962, p. 100), following examination of the male genitalia of *Domomyza flavocingulata*, discovered that it was not congeneric with the other species included in *Phytagromyza*, which he later transferred as a subgenus to *Cerodontha* Rondani, 1861 (p. 10) (Nowakowski, 1972, p. 748).

3. A new name was therefore needed for Hendel's concept of *Phytagromyza*. *Paraphytomyza* Enderlein, 1936 (p. 42) was available, with *Phytomyza xylostei* Robineau-Desvoidy, 1851 (p. 145) (which is a dark species with the third antennal segment and the scutellum black) designated by Enderlein as type species. Enderlein clearly followed Hendel (1932) in his mistaken concept of this species. *Paraphytomyza* has been accepted by all recent specialists on the AGROMYZIDAE as a valid replacement name for *Phytagromyza* sensu Hendel (1920, p. 115 and 1932, p. 275).

4. Hendel (1932, p. 299) gave a detailed re-description of '*Phytomyza xylostei*' as a pale species, with the third antennal segment and scutellum yellow. He correctly included it within his concept of *Phytagromyza* but misinterpreted Robineau-Desvoidy's dark species *xylostei*, which is now accepted as a junior synonym of *Phytomyza aprilina* Goureau, 1851 (p. 145).

5. The earliest name of the pale species is *Phytomyza lonicerae* Brischke, 1881 (p. 257). However, this name is unavailable, being a homonym of *Phytomyza lonicerae* Robineau-Desvoidy, 1851 (p. 396), a further species in the complex of leaf miners feeding on *Lonicera* (honeysuckle). De Meijere (1924, p. 145) therefore published the new specific name *luteoscutellata* as a replacement for *lonicerae* Brischke, 1881. Unfortunately Hendel (1932, p. 299), in view of his misinterpretation of *xylostei* Robineau-Desvoidy as a pale species, treated *luteoscutellata* as a synonym of *xylostei*.

6. The confusion over the true identity of the *Lonicera* leaf miners was in part recognised by Spencer (1976, p. 309), when the type species of *Paraphytomyza* Enderlein, 1936 was designated as '*Phytagromyza luteoscutellata* de Meijere, 1924 (as *Phytagromyza xylostei* Robineau-Desvoidy, 1851)'.

7. In view of the above the International Commission on Zoological Nomenclature is asked:

- (1) to use its plenary powers to set aside all previous designations of type species for the genus *Paraphytomyza* Enderlein, 1936, and to designate *Phytagromyza luteoscutellata* de Meijere, 1924 as type species;

- (2) to place on the Official List of Generic Names in Zoology the name *Paraphytomyza* Enderlein, 1936 (gender feminine), type species *Phytagromyza luteoscutellata* de Meijere, 1924 by designation in (1) above;
- (3) to place on the Official List of Specific Names in Zoology the name *luteoscutellata* de Meijere, 1924, as published in the binomen *Phytagromyza luteoscutellata* (specific name of the type species of *Paraphytomyza* Enderlein, 1936, as designated in (1) above).

REFERENCES

- BRISCHKE, C. G. A. 1881. Die Blattminierer in Danzig's Umgebung. *Schr. naturk. Ges. Danzig*, vol. 5, pp. 233–290.
- ENDERLEIN, G. 1936. Notizen zur Klassifikation der Agromyziden. *Mitt. dtsh. Ent. Ges.*, vol. 7, p. 42.
- GOUREAU, C. C. 1851. Mémoire pour servir à l'histoire des Diptères dont les larves minent les feuilles des plantes. *Annls Soc. ent. Fr.*, vol. 9, pp. 131–176.
- HENDEL, F. 1920. Die paläarktischen Agromyziden (Prodromus einer Monographie). *Arch. Naturgesch.*, A 84 (7), pp. 109–174.
- 1932. Agromyzidae. *Fliegen palaearkt. Reg.*, vol. 59, pp. 257–320.
- MEIJERE, J. C. H. DE, 1924. Verzeichnis der holländischen Agromyziden. *Tijdschr. Ent.*, vol. 67, pp. 119–155.
- NOWAKOWSKI, J. T. 1962. Introduction to a Systematic Revision of the Family Agromyzidae (Diptera) with some Remarks on Host Plant Selection by these Flies. *Annls zool., Warsz.*, vol. 20, pp. 67–183.
- 1972. Zweite Vorläufige Mitteilung zu einer Monographie der europäischen Arten der Gattung *Cerodontha* Rond. (Diptera, Agromyzidae). *Polskie Pismo ent.*, vol. 42, pp. 735–765.
- ROBINEAU-DESVOIDY, M. 1851. Descriptions d'Agromyzes et de Phytomyzes écloses chez M. le Col. Goureau. *Rev. Mag. Zool.*, vol. 3, pp. 391–405.
- RONDANI, C. 1861. *Dipterologiae italicae prodromus*. 4. Species italicae ordinis Dipteriorum, part 3, pp. 1–174.
- SPENCER, K. A. 1976. The Agromyzidae (Diptera) of Fennoscandia and Denmark. *Fauna Ent. Scand.*, vol. 5, part 1, pp. 1–215.
- STROBL, G. 1909. Neue österreichische Muscidae Acalypratae II. *Wien. ent. Ztg.*, vol. 28, pp. 283–301.